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OM protein - protein search, using sw model

Run on: June 18, 2004, 17:28:56 ; Search time 44 seconds
(without alignments)
731.449 Million cell updates/sec

Title: US-09-829-124-2
Perfect score: 584
Sequence: 1 MDSIGNFNISNIGLQTMGIG.....QQGAGMGGGGVNSLSLGENA 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0
Maximum DB seq length: 20000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpa/FCI_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpa/FCIUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	584	100.0	114	9	US-09-810-997-7
2	584	100.0	114	9	US-09-880-371-13
3	584	100.0	114	9	US-09-829-124-2
4	584	100.0	114	14	US-10-010-390-13
5	584	100.0	114	14	US-10-174-209-37
6	111	19.0	344	9	US-09-086-118-27
7	111	19.0	344	9	US-09-835-684-11
8	111	19.0	344	9	US-09-880-371-11
9	111	19.0	344	9	US-09-879-248-15
10	111	19.0	344	9	US-09-770-693-7
11	111	19.0	344	9	US-09-766-348-7
12	111	19.0	344	14	US-10-034-158-7
13	111	19.0	344	14	US-10-010-390-11
14	111	19.0	344	14	US-10-387-806-27
15	111	19.0	344	15	US-10-441-736-15

16	111	19.0	403	9	US-09-086-118-23	Sequence 23, Appl
17	111	19.0	403	9	US-09-835-684-3	Sequence 3, Appl
18	111	19.0	403	9	US-09-880-371-3	Sequence 3, Appl
19	111	19.0	403	9	US-09-879-248-3	Sequence 3, Appl
20	111	19.0	403	9	US-09-770-693-3	Sequence 3, Appl
21	111	19.0	403	9	US-09-766-348-3	Sequence 3, Appl
22	111	19.0	403	14	US-10-034-158-3	Sequence 3, Appl
23	111	19.0	403	14	US-10-010-390-3	Sequence 3, Appl
24	111	19.0	403	14	US-10-387-806-23	Sequence 23, Appl
25	111	19.0	403	15	US-10-441-736-3	Sequence 3, Appl
26	94	16.1	20	9	US-09-086-118-30	Sequence 30, Appl
27	94	16.1	20	9	US-09-879-248-18	Sequence 18, Appl
28	94	16.1	20	9	US-09-766-348-10	Sequence 10, Appl
29	94	16.1	20	14	US-10-034-158-10	Sequence 10, Appl
30	94	16.1	20	14	US-10-387-806-30	Sequence 30, Appl
31	94	16.1	20	15	US-10-441-736-18	Sequence 18, Appl
32	93	15.9	228	13	US-10-029-180-16	Sequence 16, Appl
33	91.5	15.7	424	9	US-09-835-684-9	Sequence 9, Appl
34	91.5	15.7	424	9	US-09-880-371-9	Sequence 9, Appl
35	91.5	15.7	424	9	US-09-879-248-14	Sequence 14, Appl
36	91.5	15.7	424	14	US-10-010-390-9	Sequence 9, Appl
37	91.5	15.7	424	15	US-10-441-736-14	Sequence 14, Appl
38	85.5	14.6	1965	15	US-10-369-493-3279	Sequence 3279, Ap
39	85	14.6	875	12	US-10-606-060A-12	Sequence 283627
40	84.5	14.5	313	12	US-10-424-599-283627	Sequence 5, Appl
41	84	14.4	447	9	US-09-835-684-5	Sequence 5, Appl
42	84	14.4	447	9	US-09-880-371-5	Sequence 5, Appl
43	84	14.4	447	9	US-09-879-248-6	Sequence 6, Appl
44	84	14.4	447	14	US-10-010-390-5	Sequence 5, Appl
45	84	14.4	447	15	US-10-441-736-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-09-810-997-7
; Sequence 7, Application US/09810997
; Patent No. US20020007501A1
; GENERAL INFORMATION:
; APPLICANT: Song, Xiaoliang
; APPLICANT: Fan, Hao
; APPLICANT: Wei, Zhong-Min
; TITLE OF INVENTION: RECEPTORS FOR HYPERSENSITIVE RESPONSE ELICITORS AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 21829/82
; CURRENT APPLICATION NUMBER: US/09/810,997
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/191,649
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: 60/250,710
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 7
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Xanthomonas campestris pv. pelargonii
US-09-810-997-7

Query Match	100.0%	Score 584;	DB 9;	Length 114;
Best Local Similarity	100.0%	Pred. No. 1.5e-53;		
Matches 114;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MDSIGNFNISNIGLQTMGIGPQCHESQQPSAGSEQQDQLLAFIMMLOQSGSDA	60	
Db	1	MDSIGNFNISNIGLQTMGIGPQCHESQQPSAGSEQQDQLLAFIMMLOQSGSDA	60	
Qy	61	NQECGNEQFQNGQEGSLPTQMLQIVNQMONGAGMGGGGVNSLSLGENA	114	
Db	61	NQECGNEQFQNGQEGSLPTQMLQIVNQMONGAGMGGGGVNSLSLGENA	114	

RESULT 2
 US-09-880-371-13
 ; Sequence 13, Application US/09880371
 ; Patent No. US20020059658A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Derocher, Jay
 ; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC
 ; TITLE OF INVENTION: PLANTS
 ; FILE REFERENCE: 21829/91
 ; CURRENT APPLICATION NUMBER: US/09/880,371
 ; CURRENT FILING DATE: 2001-06-13
 ; PRIOR APPLICATION NUMBER: 60/211,585
 ; PRIOR FILING DATE: 2000-06-15
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 13
 ; LENGTH: 114
 ; TYPE: PRT
 ; ORGANISM: Xanthomonas campestris
 US-09-880-371-13

 Query Match 100.0%; Score 584; DB 9; Length 114;
 Best Local Similarity 100.0%; Pred. No. 1.5e-53;
 Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 QY 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60
 Db 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60

 QY 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114
 Db 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114

 RESULT 3
 US-09-829-124-2
 ; Sequence 2, Application US/09829124
 ; Patent No. US20020066122A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Swanson, Shane S.
 ; APPLICANT: Fan, Hao
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM XANTHOMAS
 ; TITLE OF INVENTION: CAMPESTRIS
 ; FILE REFERENCE: 21829/101
 ; CURRENT APPLICATION NUMBER: US/09/829,124
 ; CURRENT FILING DATE: 2001-04-09
 ; PRIOR APPLICATION NUMBER: 60/224,053
 ; PRIOR FILING DATE: 2000-08-09
 ; PRIOR APPLICATION NUMBER: 09/412,452
 ; PRIOR FILING DATE: 1999-10-04
 ; PRIOR APPLICATION NUMBER: 60/103,124
 ; PRIOR FILING DATE: 1998-10-05
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 114
 ; TYPE: PRT
 ; ORGANISM: Xanthomonas campestris
 US-09-829-124-2

 Query Match 100.0%; Score 584; DB 9; Length 114;
 Best Local Similarity 100.0%; Pred. No. 1.5e-53;
 Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 QY 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60
 Db 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60

 QY 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114
 Db 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114

This sequence is not
 in this appl.

RESULT 4
 US-10-010-390-13
 ; Sequence 13, Application US/10010390
 ; Publication No. US20030104979A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Leon, Ernesto
 ; APPLICANT: Oviedo, Agustín
 ; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
 ; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
 ; FILE REFERENCE: 21829/111
 ; CURRENT APPLICATION NUMBER: US/10/010,390
 ; CURRENT FILING DATE: 2001-11-05
 ; PRIOR APPLICATION NUMBER: 60/248,169
 ; PRIOR FILING DATE: 2000-11-13
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 13
 ; LENGTH: 114
 ; TYPE: PRT
 ; ORGANISM: Xanthomonas campestris
 US-10-010-390-13

 Query Match 100.0%; Score 584; DB 14; Length 114;
 Best Local Similarity 100.0%; Pred. No. 1.5e-53;
 Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60

 QY 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114
 Db 61 NQSCGNEQPQNGQOEGSLPLOTMLQIVMQLMONGGAGMGCGGGSVNSSLGNA 114

 RESULT 5
 US-10-174-209-37
 ; Sequence 37, Application US/10174209
 ; Publication No. US20030177526A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Song, Xiaoling
 ; APPLICANT: Barriola, Pauline A.
 ; APPLICANT: Linderth, No. US20030177526A1 A.
 ; APPLICANT: Fan, Hao
 ; APPLICANT: Wei, Zhong-Min
 ; TITLE OF INVENTION: RECEPTORS FOR HYPERSENSITIVE RESPONSE ELICITORS AND
 ; TITLE OF INVENTION: USES THEREOF
 ; FILE REFERENCE: 21829/211
 ; CURRENT APPLICATION NUMBER: US/10/174,209
 ; CURRENT FILING DATE: 2002-06-17
 ; PRIOR APPLICATION NUMBER: 60/335,776
 ; PRIOR FILING DATE: 2001-10-31
 ; PRIOR APPLICATION NUMBER: 09/810,997
 ; PRIOR FILING DATE: 2001-03-16
 ; NUMBER OF SEQ ID NOS: 86
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 37
 ; LENGTH: 114
 ; TYPE: PRT
 ; ORGANISM: Xanthomonas campestris pv. pelargonii
 US-10-174-209-37

 Query Match 100.0%; Score 584; DB 14; Length 114;
 Best Local Similarity 100.0%; Pred. No. 1.5e-53;
 Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

 QY 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60
 Db 1 MDSIGNNFSNIGNLQTMGIGPQOHEHSSQSPSAGSSQQLDQLLAFIMMMLQSQSGSDA 60

43 LLAMFLMM-----LQOQSGSDANQBCG--NEQPQNGQOQEGLSPLTQMLMQIVMQLMQN- 94
 118 LLEDVLKLLKAAHMQPGGNDKNGVGGANGAKGAGGQGGGLAEALQEIQLLAQLGGGG 177
 QY
 Db
 95 -----QQGAGMGGGGVNSSLGN 113
 178 AGAGGAGGGVGGAGGADGGSGAGGAGGANGADGGN 212
 Db
 RESULT 11
 US-09-766-348-7
 ; Sequence 7, Application US/09766348
 ; Patent No. US20020116733A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Qiu, Dewen
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Beer, Steven V.
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED RESISTANCE IN PLANTS BY
 ; TITLE OF INVENTION: SEED TREATMENT
 ; FILE REFERENCE: 19603/2986
 ; CURRENT APPLICATION NUMBER: US/09/766,348
 ; CURRENT FILING DATE: 2001-01-19
 ; PRIOR APPLICATION NUMBER: 08/984,207
 ; PRIOR FILING DATE: 1997-12-03
 ; PRIOR APPLICATION NUMBER: 60/033,230
 ; PRIOR FILING DATE: 1996-12-05
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas solanacearum
 US-09-766-348-7
 Query Match 19.0%; Score 111; DB 9; Length 344;
 Best Local Similarity 25.8%; Pred. No. 0.0021;
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;
 QY 3 SIGNNFSNIGNT-QTM-----GIGEQHEDSSQSPSAGSE-----QQLDQ 42
 Db 58 SAGGNTGNTGNAPAKDGNANAGANDPSKNDPSKQAPQSANTKGNVYDANNQDPQALMQ 117
 QY 43 LLAMFLMM-----LQOQSGSDANQBCG--NEQPQNGQOQEGLSPLTQMLMQIVMQLMQN- 94
 Db 118 LLEDVLKLLKAAHMQPGGNDKNGVGGANGAKGAGGQGGGLAEALQEIQLLAQLGGGG 177
 QY 95 -----QQGAGMGGGGVNSSLGN 113
 Db 178 AGAGGAGGGVGGAGGADGGSGAGGAGGANGADGGN 212
 RESULT 12
 US-10-034-158-7
 ; Sequence 7, Application US/10034158
 ; Publication No. US20030028918A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; TITLE OF INVENTION: METHOD OF IMPARTING DROUGHT RESISTANCE TO PLANTS
 ; FILE REFERENCE: 21829/230
 ; CURRENT APPLICATION NUMBER: US/10/034,158
 ; CURRENT FILING DATE: 2001-12-20
 ; PRIOR APPLICATION NUMBER: 09/597,840
 ; PRIOR FILING DATE: 2000-06-20
 ; PRIOR APPLICATION NUMBER: 09/013,587
 ; PRIOR FILING DATE: 1998-01-26
 ; PRIOR APPLICATION NUMBER: 60/036,048
 ; PRIOR FILING DATE: 1997-01-27
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas solanacearum

43 LLAMFLMM-----LQSGSDANQBCG--NEQPQNGQEGLSPLTQMLMQIVMQLMGN- 94
 118 LLEDVLKLLKAAHMQPGGNDKNGVGGANGAKGAGCGGLAEALQEIQLLAQLGGGG 177
 95 -----QCGAGMGCGGGSVNSSLGGN 113
 178 AGAGGAGGCGGAGGADGCGSAGGAGGANGADGCGN 212
 RESULT 11
 US-09-766-348-7
 ; Sequence 7, Application US/09766348
 ; Patent No. US20020116733A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Qiu, Dewen
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Beer, Steven V.
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED RESISTANCE IN PLANTS BY
 ; TITLE OF INVENTION: SEED TREATMENT
 ; FILE REFERENCE: 19603/2986
 ; CURRENT APPLICATION NUMBER: US/09/766,348
 ; CURRENT FILING DATE: 2001-01-19
 ; PRIOR APPLICATION NUMBER: 08/984,207
 ; PRIOR FILING DATE: 1997-12-03
 ; PRIOR APPLICATION NUMBER: 60/033,230
 ; PRIOR FILING DATE: 1996-12-05
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas solanacearum
 US-09-766-348-7
 Query Match 19.0%; Score 111; DB 9; Length 344;
 Best Local Similarity 25.8%; Pred. No. 0.0021;
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;
 58 SAGGNTGNTGNAPAKDGNANAGANDPSKNDPSKQAPQSANTKGNVYDANNQDPQALMQ 117
 43 LLAMFLMM-----LQSGSDANQBCG--NEQPQNGQEGLSPLTQMLMQIVMQLMGN- 94
 118 LLEDVLKLLKAAHMQPGGNDKNGVGGANGAKGAGCGGLAEALQEIQLLAQLGGGG 177
 95 -----QCGAGMGCGGGSVNSSLGGN 113
 178 AGAGGAGGCGGAGGADGCGSAGGAGGANGADGCGN 212
 RESULT 12
 US-10-034-158-7
 ; Sequence 7, Application US/10034158
 ; Publication No. US20030028918A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; TITLE OF INVENTION: METHOD OF IMPARTING DROUGHT RESISTANCE TO PLANTS
 ; FILE REFERENCE: 21829/230
 ; CURRENT APPLICATION NUMBER: US/10/034,158
 ; CURRENT FILING DATE: 2001-12-20
 ; PRIOR APPLICATION NUMBER: 09/597,840
 ; PRIOR FILING DATE: 2000-06-20
 ; PRIOR APPLICATION NUMBER: 09/013,587
 ; PRIOR FILING DATE: 1998-01-26
 ; PRIOR APPLICATION NUMBER: 60/036,048
 ; PRIOR FILING DATE: 1997-01-27
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas solanacearum

US-10-034-158-7

Query Match 19.0%; Score 111; DB 14; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.0021;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNFSGNIGLQTM-----GIGPQOHESSQSPSAGSE-----QQLDQ 42
DB 58 SAGGTGNTGNAPAKDGNANAGANPDKNDPSKQAPQSANKTGNVDDANNODPQALMQ 117
QY 43 LLAMFIMM-----LQSQSGSDANQECG--NEQPQNGQOEGLSPLTQMLQIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQPGNDKNGVGGANGAKGAGGQGGGLAALQETIEQILAQIGGGG 177
QY 95 -----QGGAGGGGGSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGADGGSGGAGGAGGADGDN 212

RESULT 13

US-10-010-390-11
; Sequence 11, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Leon, Ernesto
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Oviedo, Agustín
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 11
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Ralstonia solanacearum
US-10-010-390-11

Query Match 19.0%; Score 111; DB 14; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.0021;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNFSGNIGLQTM-----GIGPQOHESSQSPSAGSE-----QQLDQ 42
DB 58 SAGGTGNTGNAPAKDGNANAGANPDKNDPSKQAPQSANKTGNVDDANNODPQALMQ 117
QY 43 LLAMFIMM-----LQSQSGSDANQECG--NEQPQNGQOEGLSPLTQMLQIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQPGNDKNGVGGANGAKGAGGQGGGLAALQETIEQILAQIGGGG 177
QY 95 -----QGGAGGGGGSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGADGGSGGAGGAGGADGDN 212

RESULT 14

US-10-387-806-27
; Sequence 27, Application US/10387806
; Publication No. US20030182683A1
; GENERAL INFORMATION:
; APPLICANT: Laby, Ron J.
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FRAGMENTS ELICITING A
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE AND USES THEREOF
; FILE REFERENCE: 19603/3187
; CURRENT APPLICATION NUMBER: US/10/387,806
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: 60/048,109

; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 09/086,118
; PRIOR FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 27
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Pseudomonas solanacearum
US-10-387-806-27

Query Match 19.0%; Score 111; DB 14; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.0021;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNFSGNIGLQTM-----GIGPQOHESSQSPSAGSE-----QQLDQ 42
DB 58 SAGGTGNTGNAPAKDGNANAGANPDKNDPSKQAPQSANKTGNVDDANNODPQALMQ 117
QY 43 LLAMFIMM-----LQSQSGSDANQECG--NEQPQNGQOEGLSPLTQMLQIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQPGNDKNGVGGANGAKGAGGQGGGLAALQETIEQILAQIGGGG 177
QY 95 -----QGGAGGGGGSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGADGGSGGAGGAGGADGDN 212

RESULT 15

US-10-441-736-15
; Sequence 15, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: 21829/203 (BEC-003)
; CURRENT APPLICATION NUMBER: US/10/441,736
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Pseudomonas solanacearum
US-10-441-736-15

Query Match 19.0%; Score 111; DB 15; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.0021;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNFSGNIGLQTM-----GIGPQOHESSQSPSAGSE-----QQLDQ 42
DB 58 SAGGTGNTGNAPAKDGNANAGANPDKNDPSKQAPQSANKTGNVDDANNODPQALMQ 117
QY 43 LLAMFIMM-----LQSQSGSDANQECG--NEQPQNGQOEGLSPLTQMLQIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQPGNDKNGVGGANGAKGAGGQGGGLAALQETIEQILAQIGGGG 177
QY 95 -----QGGAGGGGGSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGADGGSGGAGGAGGADGDN 212

Search completed: June 18, 2004, 17:35:13
Job time : 46 secs

121	GATCAGTTGCTCGCATGTTTCATCATGATGATGCTGC	180	CGAGCCAGGGCAGCGATGCA
Qy			
121	GATCAGTTGCTCGCATGTTTCATCATGATGATGCTGC	180	CAGAGCCAGGGCAGCGATGCA
Db			
181	AATCAGGAGTGTGGCAACGAAACCGCAGAAACGGT	240	CAGAGGAGGCTTCAGTCCGTTG
Qy			
181	AATCAGGAGTGTGGCAACGAAACCGCAGAAACGGT	240	CAGAGGAGGCTTCAGTCCGTTG
Db			
241	ACCGAGATGCTGATCAGATCGTGATGCAGCTGAT	300	CAGAGCGCGCGCGGCATG
Qy			
241	ACCGAGATGCTGATCAGATCGTGATGCAGCTGAT	300	CAGAGCGCGCGCGGCATG
Db			
301	GGCGGTGGCGGTTCCGTCACACAGCAGCTTCGG	342	CGCGCGCAACGCC
Qy			
301	GGCGGTGGCGGTTCCGTCACACAGCAGCTTCGG	342	CGCGCGCAACGCC
Db			

RESULT 2

```

US-09-880-371-14
; Sequence 14, Application US/09880371
; Patent No. US20020059658A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: DeRoche, Jay
; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC
; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 21829/91
; CURRENT APPLICATION NUMBER: US/09/880,371
; CURRENT FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: 60/211,585
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 14
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-09-880-371-14

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Query Match	100.0%	Score 342;	DB 9;	Length 342;
Best Local Similarity	100.0%;	Pred. No. 6.9e-94;		
Matches 342;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	ATGGACTCTATCGGAAACAACCTTTTTCGAATATCGGCAACCTGCGAGACGATGGCGCATCGGG	60	
Db	1	ATGGACTCTATCGGAAACAACCTTTTTCGAATATCGGCAACCTGCGAGACGATGGCGCATCGGG	60	
QY	61	CCTCAGCAACAACGAGGACTCCAGCCAGCAGCGGCTTCGGCTGGCTCCGAGCAGCAGCTG	120	
Db	61	CCTCAGCAACAACGAGGACTCCAGCCAGCAGCGGCTTCGGCTGGCTCCGAGCAGCAGCTG	120	
QY	121	GATCAGTTGTCGCGCATGTTTCATCATGATGATGTCGCAACAGAGCCAGCGGCAGCGATGCA	180	
Db	121	GATCAGTTGTCGCGCATGTTTCATCATGATGATGTCGCAACAGAGCCAGCGGCAGCGATGCA	180	
QY	181	AATCAGGAGTGTGGCRACGACAAACCCGACGAAACGGTCAACAGGAAAGCCTGAGTCCGCTTG	240	
Db	181	AATCAGGAGTGTGGCAACGAAACCCGACGAAACGGTCAACAGGAAAGCCTGAGTCCGCTTG	240	
QY	241	ACGCAGATGCTGATGACGATGCTGATGACGATGATGACAGAACACAGGCGCGGCCGCGCATG	300	
Db	241	ACGCAGATGCTGATGACGATGCTGATGACGATGATGACAGAACACAGGCGCGGCCGCGCATG	300	
QY	301	GGCGGTGGCGGTTTCGGTCAACAGCAGCCTCGGGGGGCAACGCC	342	
Db	301	GGCGGTGGCGGTTTCGGTCAACAGCAGCCTCGGGGGGCAACGCC	342	

RESIST 3

RESULTS 3
US-09-880-371-15
; Sequence 15, Application US/09880371
; Patent No. US2002059658A1
; GENERAL INFORMATION:

Query Match 100.0%; Score 342; DB 9; Length 342;
Best Local Similarity 100.0%; Pred. No. 6.9e-94;
Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60
DB 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60

QY 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120
DB 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120

QY 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180
DB 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180

QY 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240
DB 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240

QY 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300
DB 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300

QY 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342
DB 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342

RESULT 5

US-10-010-390-14
; Sequence 14, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Leon, Ernesto
; APPLICANT: Oviedo, Agustín
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; FILE OF INVENTION: FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-10-010-390-14

Query Match 100.0%; Score 342; DB 15; Length 342;
Best Local Similarity 100.0%; Pred. No. 6.9e-94;
Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60
DB 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60

QY 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120
DB 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120

QY 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180
DB 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180

QY 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240
DB 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240

QY 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300

DB 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300

QY 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342
DB 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342

RESULT 6

US-10-174-209-38
; Sequence 38, Application US/10174209
; Publication No. US20030177526A1
; GENERAL INFORMATION:
; APPLICANT: Song, Xiaoling
; APPLICANT: Sariola, Pauline A.
; APPLICANT: Linderoth, No. US20030177526A1a A.
; APPLICANT: Fan, Hao
; APPLICANT: Wei, Zhong-Min
; TITLE OF INVENTION: RECEPTORS FOR HYPERSENSITIVE RESPONSE ELICITORS AND
; FILE OF INVENTION: USES THEREOF
; FILE REFERENCE: 21829/211
; CURRENT APPLICATION NUMBER: US/10/174,209
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 60/335,776
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 09/810,997
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Xanthomonas campestris pv. pelargonii
US-10-174-209-38

Query Match 100.0%; Score 342; DB 15; Length 342;
Best Local Similarity 100.0%; Pred. No. 6.9e-94;
Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60
DB 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGCAACTCGCAGCATGGGCGCATGGG 60

QY 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120
DB 61 CCTCAGCAACAGGAGCTCCAGCCAGCAGTCCCTTCGGCTCGCAGCAGCAGCTG 120

QY 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180
DB 121 GATCAGTTCTCGCCATGTTTCATCATGATGATGCTGCAACAGAGCCAGGCGCATGCA 180

QY 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240
DB 181 AATCAGGAGTGTGGCAACCAACCGCAGACGGTCAACAGAGGCGCTGATCGCTG 240

QY 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300
DB 241 ACGCAGATCTGATGAGATCGTATGATGATGATGATGATGATGATGATGATGATG 300

QY 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342
DB 301 GCGGTGGCGGTTCGGTCAACAGCAGCTCGGCGGCGCAACGCC 342

RESULT 7

US-09-829-124-6
; Sequence 6, Application US/09829124
; Patent No. US20020066122A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Swanson, Shane S.
; APPLICANT: Fan, Hao
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM XANTHOMAS


```

; TITLE OF INVENTION: CAMPESTRIS
; FILE REFERENCE: 21829/101
; CURRENT APPLICATION NUMBER: US/09/829,124
; CURRENT FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/224,053
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: 09/412,452
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: 60/103,124
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 408
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: probe
US-09-829-124-6

Query Match      100.0%; Score 342; DB 9; Length 408;
Best Local Similarity 100.0%; Pred. No. 7.3e-94;
Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGGCAACTGACACGATGGGCAATCGG 60
DB 53 ATGGACTCTATCGGAACAACTTTTCGAATATCGGCAACTGACACGATGGGCAATCGG 112
QY 61 CTTAGCAACACGAGGACTCCAGCCAGAGTCGCTTGGTGGTCCGAGCAGAGCTG 120
DB 113 CTTAGCAACACGAGGACTCCAGCCAGAGTCGCTTGGTGGTCCGAGCAGAGCTG 172
QY 121 GATCAGTTGCTCGCATGTTTCATCATGATGTCGACAGAGTCGACAGAGGCGGAGCATCA 180
DB 173 GATCAGTTGCTCGCATGTTTCATCATGATGTCGACAGAGTCGACAGAGGCGGAGCATCA 232
QY 181 AATCAGGAGTGTGGCAACCAACCGCAGAACGGTCAACAGAGAGGCTTGATGTCGTTG 240
DB 233 AATCAGGAGTGTGGCAACCAACCGCAGAACGGTCAACAGAGAGGCTTGATGTCGTTG 292
QY 241 AGCGAGATGCTGATCAGATCGTGTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 300
DB 293 AGCGAGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 352
QY 301 GCGGTGGCGGTTCGGTTCGATCAACAGAGCCTTGGGCGGCAACGCC 342
DB 353 GCGGTGGCGGTTCGGTTCGATCAACAGAGCCTTGGGCGGCAACGCC 394

RESULT 8
US-10-369-493-31605
; Sequence 31605, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 31605
; LENGTH: 816
; TYPE: DNA
; ORGANISM: Rhodobacter sphaeroides
US-10-369-493-31605

Query Match      100.0%; Score 342; DB 9; Length 408;
Best Local Similarity 100.0%; Pred. No. 7.3e-94;
Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACTCTATCGGAACAACTTTTCGAATATCGGCAACTGACACGATGGGCAATCGG 60
DB 53 ATGGACTCTATCGGAACAACTTTTCGAATATCGGCAACTGACACGATGGGCAATCGG 112
QY 61 CTTAGCAACACGAGGACTCCAGCCAGAGTCGCTTGGTGGTCCGAGCAGAGCTG 120
DB 113 CTTAGCAACACGAGGACTCCAGCCAGAGTCGCTTGGTGGTCCGAGCAGAGCTG 172
QY 121 GATCAGTTGCTCGCATGTTTCATCATGATGTCGACAGAGTCGACAGAGGCGGAGCATCA 180
DB 173 GATCAGTTGCTCGCATGTTTCATCATGATGTCGACAGAGTCGACAGAGGCGGAGCATCA 232
QY 181 AATCAGGAGTGTGGCAACCAACCGCAGAACGGTCAACAGAGAGGCTTGATGTCGTTG 240
DB 233 AATCAGGAGTGTGGCAACCAACCGCAGAACGGTCAACAGAGAGGCTTGATGTCGTTG 292
QY 241 AGCGAGATGCTGATCAGATCGTGTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 300
DB 293 AGCGAGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 352
QY 301 GCGGTGGCGGTTCGGTTCGATCAACAGAGCCTTGGGCGGCAACGCC 342
DB 353 GCGGTGGCGGTTCGGTTCGATCAACAGAGCCTTGGGCGGCAACGCC 394

RESULT 8
US-10-369-493-31605
; Sequence 31605, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 31605
; LENGTH: 816
; TYPE: DNA
; ORGANISM: Rhodobacter sphaeroides
US-10-369-493-31605

Query Match      12.6%; Score 43.2; DB 16; Length 816;
Best Local Similarity 56.2%; Pred. No. 0.0059;
Matches 81; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 198 CGAACAAACCGCAGAACCGTCAACAGGAAGGCTTGGTCCGTTGACGAGATGCTGATGCA 257
DB 423 CGATCTGGACCAAGTCAACCGGCTGACCGCGGAGACCGCGGTGAACCGGCTGCTGAACCA 482
QY 258 GATCGTATGACGATGATGACAGAACCGAGGCGGCGGCGGAGTGGCGGTTGGT 317
DB 483 GATCGAGTGCATCCGATGCTGACAGCAGGCGGAGCTGCGGCGGCGGCGGCGGCGG 542
QY 318 CAACAGCAGCTGGCGGCAACGC 341
DB 543 CATGTCACCAAGAGCTGGAGCCC 566

RESULT 9
US-10-369-493-40458
; Sequence 40458, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 40458
; LENGTH: 1053
; TYPE: DNA
; ORGANISM: Caulobacter crescentus
US-10-369-493-40458

Query Match      11.8%; Score 40.2; DB 16; Length 1053;
Best Local Similarity 48.9%; Pred. No. 0.052;
Matches 108; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

QY 44 AGACGATGGGCGATCGGCGCTCAGCAACACAGAGGACTCCAGCAGAGTGGCTTTCGGCTG 103
DB 275 AGCGATGGAGCTGTTTCGCGCACTGCTGCGGCTTATGCTTCGAGGCGCTTGGCGCGG 334
QY 104 GTCGAGCAGCAGCTGGATGATGCTTGGCATGTTTCATCATGATGATGATGATGATGATGATG 163
DB 335 CTTCCAGCCTCAAGCGGAGCTGCTTCGCGGCTTGGACATCATGTTTCGTTGGCGAATGG 394
QY 164 GCCAGGCGCAGATGCAAAATCAGGAGTGTGGCAACGAAACCAACCGCAACCGTCAACAGG 223
DB 395 TGGCGGCGGCTTATTTTCGCGCAGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 454
QY 224 AAGCCTGAGTCCGTTGACCGCAGATGCTGATGATGATGATGATGATGATGATGATGATG 264
DB 455 AGGCGTTTCGACACCGAGGCTTATACGACCGAGGCGGCGGCGGCGGCGGCGGCGGCGG 495

RESULT 10
US-10-425-114-35590
; Sequence 35590, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
US-10-425-114-35590
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; OTHER INFORMATION: n = any nucleotide
US-10-260-238-4340

Query Match      11.4%; Score 39; DB 16; Length 1206;
Best Local Similarity 42.9%; Pred. No. 0.13;
Matches 117; Conservative 0; Mismatches 156; Indels 0; Gaps 0;

QY  33  CGGCAACCTGCAGACGATGGCATCGGCTCAGCAACAGGACTCCAGCCAGCAGTC 92
DB  355  CGGCCAGCAGAGCAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 414
QY  93  GCCTTCGGCTGGCTCCGAGCAGCAGCTGGATCAGTTGCTCGCCATGTTCAATCATGATGAT 152
DB  415  AGGCACAGACGGGCACGTTGAAGAAACCGTGCCTGCCCCCTCTCGACATTCATCGAGATGCT 474
QY  153  GCTGCAACAGAGCCAGGCGAGCGATCAATCAGGAGTGTGGCAACGAACAACCGCAGAA 212
DB  475  CAAGGAGAGAGACGGGAAAGAGAGACATCGAGGTGGGTTCATCCGATGACCGCTGTTCAA 534
QY  213  CGGTCAACAGGAGGCTCGAGTCCGTTGACGAGATGCTGATCGATCGATCGTGTATGAGCT 272
DB  535  CGTCTTCGGCGAGGACGCGAGCCCAAGATCAAGAGTTTCATGAAGTGATGCTGGAGAA 594
QY  273  GATGCAACACGAGGCGGCGCGCGCGCATGGCGG 305
DB  595  GCTGCAACGAGGCGACACGCGCGCGTGGTGG 627

RESULT 12
US-09-866-034-6
; Sequence 6, Application US/09866034
; Publication No. US20030170864A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2930R1C1
; CURRENT APPLICATION NUMBER: US/09/866,034
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALLM or file wrapper
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 6
; LENGTH: 3121
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-034-6

Query Match      11.1%; Score 38; DB 10; Length 3121;
Best Local Similarity 48.2%; Pred. No. 0.34;
Matches 107; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

QY  109  GAGCAGCAGCTGATCAGTTGCTCGCATGTTTCATCATGATGATGTCGACAGCGCCAG 168
DB  1980  GAGGAGCAGCACCGCAGCAGAGATGCTTTCTCGAACTGGAGATGCGATGCGAGGAGCAG 2039
QY  169  GGCAGCGATGCAATCAGGAGTGTGGCAACGAACAACCGCAGAAACGTCACACAGGAGGC 228
DB  2040  CAGAGGCTGGTGTACTGGCTGGAGGTGGCCCTGGAGCGCAGCGCTCGAGATGAGACCGC 2099
QY  229  CTGAGTCCGTTGACGAGATGCTGATGCGAGATCGTGATGCGATGCGATGCGAACCAGGGC 288
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OM protein - protein search, using sw model

Run on: June 18, 2004, 17:24:31 ; Search time 23 Seconds
(without alignments)
255.885 Million cell updates/sec

Title: US-09-829-124-2
Perfect score: 584
Sequence: 1 MDSIGNNFSNIGNLQTMGIG.....QSGAGMGGGGVNSLGGNA 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/protdata/2/iaa/5B COMB.pep.*
3: /cgn2_6/protdata/2/iaa/6A COMB.pep.*
4: /cgn2_6/protdata/2/iaa/6B COMB.pep.*
5: /cgn2_6/protdata/2/iaa/6C COMB.pep.*
6: /cgn2_6/protdata/2/iaa/6D COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	111	19.0	344	1	US-08-891-254-7
2	111	19.0	344	2	US-08-819-539-7
3	111	19.0	344	2	US-09-030-270A-7
4	111	19.0	344	3	US-08-984-207-7
5	111	19.0	344	3	US-09-013-587-7
6	111	19.0	344	4	US-09-086-118-27
7	111	19.0	344	4	US-09-431-614-15
8	111	19.0	344	5	PCT-US96-08819-7
9	111	19.0	385	1	US-08-891-254-3
10	111	19.0	385	2	US-08-819-539-3
11	111	19.0	385	5	PCT-US93-06243-2
12	111	19.0	385	5	PCT-US96-08819-3
13	111	19.0	403	2	US-08-200-224A-2
14	111	19.0	403	2	US-09-030-270A-3
15	111	19.0	403	3	US-08-851-376A-2
16	111	19.0	403	3	US-08-984-207-3
17	111	19.0	403	3	US-09-013-587-3
18	111	19.0	403	4	US-09-086-118-23
19	111	19.0	403	4	US-09-431-614-3
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21	94	16.1	20	2	US-08-030-270A-10
22	94	16.1	20	3	US-08-984-207-10
23	94	16.1	20	3	US-09-013-587-10
24	94	16.1	20	4	US-09-086-118-30
25	94	16.1	20	4	US-09-431-614-18
26	91.5	15.7	424	3	US-09-120-817-2
27	91.5	15.7	424	4	US-09-431-614-14

28	88	15.1	2414	1	US-08-227-536-2	Sequence 2, Appli
29	88	15.1	2414	5	PCT-US95-04682-2	Sequence 2, Appli
30	85	14.6	675	4	US-09-564-418-12	Sequence 12, Appli
31	84	14.4	447	3	US-09-120-927-2	Sequence 2, Appli
32	84	14.4	447	4	US-09-431-614-6	Sequence 6, Appli
33	77	13.2	729	4	US-09-625-188-20	Sequence 20, Appli
34	75.5	12.9	542	4	US-09-252-991A-31091	Sequence 31091, A
35	74.5	12.8	653	3	US-09-061-764A-2	Sequence 2, Appli
36	74.5	12.8	686	3	US-09-061-764A-15	Sequence 15, Appli
37	73	12.5	124	3	US-08-789-333F-41	Sequence 41, Appli
38	73	12.5	124	4	US-08-787-738B-41	Sequence 41, Appli
39	73	12.5	173	3	US-08-789-333F-42	Sequence 42, Appli
40	73	12.5	173	4	US-08-787-738B-42	Sequence 42, Appli
41	73	12.5	303	2	US-08-853-310-2	Sequence 2, Appli
42	72.5	12.4	283	4	US-09-198-452A-424	Sequence 424, App
43	72.5	12.4	719	4	US-09-417-197-51	Sequence 51, Appli
44	72	12.3	369	2	US-08-991-300-2	Sequence 2, Appli
45	71.5	12.2	485	2	US-08-749-391-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-891-254-7
; Sequence 7, Application US/08891254
; Patent No. 5776889
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: Hypersensitive Response
; TITLE OF INVENTION: Induced Resistance In Plants
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/891,254
; FILING DATE: 10-JUL-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/475,775
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 14603/10050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-891-254-7

Query Match 19.0%; Score 111; DB 1; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.00044;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;
QY 3 SIGNNFSNIGNLQTM-----GIGPQHEDSSQSPSAGSE-----QQLDQ 42


```

1  RESULT 5
2  US-09-013-587-7
3  / Sequence 7, Application US/09013587
4  / Patent No. 621778.4
5  / GENERAL INFORMATION:
6  /
7  / APPLICANT: Qiu, Dewen
8  / APPLICANT: Wei, Zhong-Min
9  / APPLICANT: Beer, Steven V.
10 /
11 / TITLE OF INVENTION: ENHANCEMENT
12 /
13 / NUMBER OF SEQUENCES: 10
14 /
15 / CORRESPONDENCE ADDRESS:
16 /
17 / ADDRESSEE: Nixon, Hargrave, Dunn &
18 /
19 / STREET: Clinton Square, P.O. Box 100
20 /
21 / CITY: Rochester
22 /
23 / STATE: New York
24 /
25 / COUNTRY: U.S.A.
26 /
27 / ZIP: 14603
28 /
29 / COMPUTER READABLE FORM:
30 /
31 / MEDIUM TYPE: Floppy disk
32 /
33 / COMPUTER: IBM PC compatible
34 /

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;; FILING DATE: 30-MAY-1997

ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1301
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 344 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-086-118-27

Query Match 19.0%; Score 111; DB 4; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.00014;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNNFSNIGNLQTM-----GIGPQOHHDSQQSPSAGSE-----QQLDQ 42
DB 58 SAGGNTGNTGNAPAKDGNANAGANDPSKNDPSQAPQSANVTGNDANNQDPMAQMQ 117

QY 43 LLAMFTMM-----LQSQSGSDANQECG--NEQPQNGQOEGSLPTOMLMOIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQQPCGNDKNGVGGANGAKGAGGGGLAEALQIEQLAQGLGGG 177

QY 95 -----QGAGMGGGGSSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGAGDGGSGAGGAGGANGADGNG 212

RESULT 7
US-09-431-614-15
Sequence 15, Application US/09431614
Patent No. 6624139
GENERAL INFORMATION:
APPLICANT: Wei, Zhong-Min
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
FILE OF INVENTION: RESISTANCE
FILE REFERENCE: 21829/41 (EBC-003)
CURRENT APPLICATION NUMBER: US/09/431,614
CURRENT FILING DATE: 1999-11-02
EARLIER APPLICATION NUMBER: 60/107,243
EARLIER FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 15
LENGTH: 344
TYPE: PRT
ORGANISM: Pseudomonas solanacearum
US-09-431-614-15

Query Match 19.0%; Score 111; DB 4; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.00014;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNNFSNIGNLQTM-----GIGPQOHHDSQQSPSAGSE-----QQLDQ 42
DB 58 SAGGNTGNTGNAPAKDGNANAGANDPSKNDPSQAPQSANVTGNDANNQDPMAQMQ 117

QY 43 LLAMFTMM-----LQSQSGSDANQECG--NEQPQNGQOEGSLPTOMLMOIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQQPCGNDKNGVGGANGAKGAGGGGLAEALQIEQLAQGLGGG 177

QY 95 -----QGAGMGGGGSSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGAGDGGSGAGGAGGANGADGNG 212

RESULT 8

PCT-US96-08819-7
Sequence 7, Application PC/TUS9608819
GENERAL INFORMATION:
APPLICANT: Cornell Research Foundation, Inc.
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED
TITLE OF INVENTION: RESISTANCE IN PLANTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08819
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,775
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/10051
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 344 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-08819-7

Query Match 19.0%; Score 111; DB 5; Length 344;
Best Local Similarity 25.8%; Pred. No. 0.00014;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

QY 3 SIGNNFSNIGNLQTM-----GIGPQOHHDSQQSPSAGSE-----QQLDQ 42
DB 58 SAGGNTGNTGNAPAKDGNANAGANDPSKNDPSQAPQSANVTGNDANNQDPMAQMQ 117

QY 43 LLAMFTMM-----LQSQSGSDANQECG--NEQPQNGQOEGSLPTOMLMOIVMQLMQN- 94
DB 118 LLEDVLKLLKAAALHMQQPCGNDKNGVGGANGAKGAGGGGLAEALQIEQLAQGLGGG 177

QY 95 -----QGAGMGGGGSSVNSSLGN 113
DB 178 AGAGGAGGGVGGAGGAGDGGSGAGGAGGANGADGNG 212

RESULT 9
US-08-891-254-3
Sequence 3, Application US/08891254
Patent No. 5776889
GENERAL INFORMATION:
APPLICANT: Wei, Zhong-Min
TITLE OF INVENTION: Hyper-sensitive Response
TITLE OF INVENTION: Induced Resistance in Plants
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester


```

; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/475,775
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 14603/10050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-819-539-3

Query Match          19.0%; Score 111; DB 2; Length 385;
Best Local Similarity 31.5%; Pred. No. 0.00016;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

QY      5 GNNFSNIGNL---QTWGI-GPQQHEDSSQSPS-AGSEQQLDQLLAMPIMMMLQQS---Q 56
       |||:::||::||::||::||::||::||::||::||::||::||::||::||::||
Db      118 GNNTTSTTNSPLDQALGINSTGNDSTGTSDDSDPWQQLKWFSEIM--QSLFGD 175

QY      57 GSDANO-RCHGEHPONGQO----EGLSPLTQMIAQIVVQLMQNOGGAGNGGGGSYNSSL 110
       |||::||::||::||::||::||::||::||::||::||::||::||::||
Db      176 GDGTGTCSSSGGKGQPTGEHQNAKKGVTDALSGLMGNGLSQLLGNLGELGGCGQGENAGTGL 235

QY      111 GGNA 114
       |::
Db      236 DGSS 239

RESULT 11
PCT-US93-06243-2
Sequence 2, Application PC/TUS9306243
GENERAL INFORMATION:
APPLICANT: Zhong-Min Wei, David W. Bauer, Steven V.
APPLICANT: Besr, Alan Collmer, Sheng-Yang He, and Ron J. Laby
TITLE OF INVENTION: Elicitor of the Hypersensitive Response in Plants
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytap Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/06243
FILING DATE: 19930630
CLASSIFICATION:
PRIOR APPLICATION DATA: 907,935
APPLICATION NUMBER: 01-JUL-1992
FILING DATE: 01-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
REFERENCE/DOCKET NUMBER: CRF D-1172
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951
TELEFAX: {203}268-1951
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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```

; LENGTH: 385 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-06243-2

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Query Match 19.0%; Score 111; DB 5; Length 385;
Best Local Similarity 31.5%; Pred. No. 0.00016;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

[illegible]

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RESULT 12
PCT-US96-08819-3
; Sequence 3, Application PC/TUS9608819
; GENERAL INFORMATION:
; APPLICANT: Cornell Research Foundation, Inc.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED
; TITLE OF INVENTION: RESISTANCE IN PLANTS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Nixon, Hargrave, Devans & Doyle LLP
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08819
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/475,775
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 19603/10051
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-08819-3

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Query Match 19.0%; Score 111; DB 5; Length 385;
Best Local Similarity 31.5%; Pred. No. 0.00016;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

QY 5 GNNPSNIGNL---QTMGI-GPQOHHEDSSQQSPS-AGSEQQLDOLLAMFIMMLQQS---Q 56

Db	118	GNVTTSTNSPLDQALGINETSNQNDSTSGTSDTSDSSDPMQQLKWPSEIM--QSLPGD	178
Cy	57	GGDAQN---ECGNEQFQNGQ-----EGLSPLTQMLMQLVMLQNGQAGAGGGGGSVNSSL	110
Db	176	GDGQTQSGSSGKGQPTGEGQNAVYKKGVTDALSGLMNGLSQLLNGGLGCGCGGAGTGL	235
Cy	111	GGNA	114
Db	236	DGSS	239

RESULT 13
 US-08-200-724A-2
 Sequence 2, Application US/08200724A
 Patent No. 5849868
 GENERAL INFORMATION:
 APPLICANT: Wei, Zhong-Min
 APPLICANT: Bauer, David W.
 APPLICANT: Beer, Steven V.
 APPLICANT: Collmer, Alan
 APPLICANT: He, Sheng-Yang
 APPLICANT: Lady, Ron J.
 TITLE OF INVENTION: ELICITOR OF THE HYPERSENSITIVE RESPONSE
 TITLE OF INVENTION: IN PLANTS
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle
 STREET: Clinton Square
 CITY: Rochester
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 14603
 COMPUTER READABLE FORM: disk
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/200,724A
 FILING DATE: 23-FEB-1994
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REGISTRATION NUMBER: 30,727
 REFERENCE/DOCKET NUMBER: 19603/10030
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (716) 263-1304
 TELEFAX: (716) 263-1600
 INFORMATION FOR SEQ. ID NO. 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-200-724A-2

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Query Match      19.0%; Score 111; DB 2; Length 403;
Best Local Similarity 31.5%; Pred.No. 0.00017;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy    5   GNPFNSIGNL--QYMG-I-GPQQHESSQQSPS-AGSEQQQLDOLLAFIMMILQOS---Q 56
      ||| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db    118 GNTTSTTNPLQALGINTSQNDISTGTSDTSDDSPMQLLKMFSEIM--QSILPGD 175

Qy    57   GSDANQ--ECGNRPQPNGOQ-----EGLSPLTMQMIVMOLMNQGACGGGGSVNSSL 110
      ||| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db    176 GDCTQCSSSGSKOPTBEGEYNAYKKGYTDALISGLMGNGLSQLLNGGLGGGQGGNACTGL 235

Qy    111  GENA 114
       ||::
Db    236 DGSS 239

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RESULT 14

US-09-030-270A-3
Sequence 3, Application US/09030270A
Patent No. 5977060
GENERAL INFORMATION:
APPLICANT: Zitter, Thomas A.
APPLICANT: Wei, Zhong-Min
TITLE OF INVENTION: INSECT CONTROL WITH A
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: P.O. Box 1051, Clinton Square
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/030,270A
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,226
FILING DATE: 28-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1521
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 3:
LENGTH: 403 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-030-270A-3

Query Match 19.0%; Score 111; DB 2; Length 403;
Best Local Similarity 31.5%; Pred. No. 0.00017;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;
QY 5 GGNFSNIGNL---QTMGI-GPOQHEDSSQSPS-AGSEQQLDOLLAMFIMMLQSS---Q 56
Db 118 GNTTSTNSPLDQALGINSTQDDSTGTDSTSDSDPMQQLKMFSEIM--QSLFGD 175
QY 57 GSDANQ--ECGNEQPONGQ---EGLSPLTQMLMQVMQMGAGMGCGGGSVNSL 110
Db 176 GQDGTQSSSGGKQPTGEQNAKGVTDALSGLMGNLSQLLNGGLGGGQGNAGTGL 235
QY 111 GGNA 114
Db 236 DGSS 239

RESULT 15

US-08-851-376A-2
Sequence 2, Application US/08851376A
Patent No. 6174717
GENERAL INFORMATION:
APPLICANT: Beer, Steven V.
APPLICANT: Wei, Zhong-Min
APPLICANT: Bauer, David W.
APPLICANT: Collmer, Alan
APPLICANT: He, Sheng-Yang

APPLICANT: Laby, Ron
TITLE OF INVENTION: ELICITOR OF THE HYPERSENSITIVE RESPONSE
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon Peabody LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: NY
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,376A
FILING DATE: 05-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/200,724
FILING DATE: 23-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/10035
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 403 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-851-376A-2

Query Match 19.0%; Score 111; DB 3; Length 403;
Best Local Similarity 31.5%; Pred. No. 0.00017;
Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;
QY 5 GGNFSNIGNL---QTMGI-GPOQHEDSSQSPS-AGSEQQLDOLLAMFIMMLQSS---Q 56
Db 118 GNTTSTNSPLDQALGINSTQDDSTGTDSTSDSDPMQQLKMFSEIM--QSLFGD 175
QY 57 GSDANQ--ECGNEQPONGQ---EGLSPLTQMLMQVMQMGAGMGCGGGSVNSL 110
Db 176 GQDGTQSSSGGKQPTGEQNAKGVTDALSGLMGNLSQLLNGGLGGGQGNAGTGL 235
QY 111 GGNA 114
Db 236 DGSS 239

Search completed: June 18, 2004, 17:30:26
Job time : 24 secs

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OM nucleic - nucleic search, using sw model

Run on: June 23, 2004, 09:58:37 ; Search time 63 Seconds
(without alignments)
3012.591 Million cell updates/sec

Title: US-09-829-124-1
Perfect score: 242
Sequence: 1 atggactctatcggaacaa.....gcagcctggcggaacgcc 342

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCRUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40.6	11.9	915	US-09-252-991A-10997	Sequence 10997, A
2	40.6	11.9	2178	US-09-252-991A-11254	Sequence 11254, A
3	39.8	11.6	522	US-09-252-991A-11160	Sequence 11160, A
4	39.8	11.6	1557	US-09-252-991A-11093	Sequence 11093, A
5	38.6	11.3	933	US-09-252-991A-9940	Sequence 9940, Ap
6	38.6	11.3	1023	US-09-252-991A-10137	Sequence 10137, A
7	38.2	11.2	333	US-09-252-991A-11436	Sequence 11436, A
8	37.6	11.0	1035	US-08-831-254-8	Sequence 8, Appli
9	37.6	11.0	1035	US-08-819-339-8	Sequence 8, Appli
10	37.6	11.0	1035	US-09-030-270A-8	Sequence 8, Appli
11	37.6	11.0	1035	US-08-984-207-8	Sequence 8, Appli
12	37.6	11.0	1035	US-09-013-587-8	Sequence 8, Appli
13	37.6	11.0	1035	US-09-086-118-28	Sequence 8, Appli
14	37.6	11.0	1035	US-09-431-614-16	Sequence 16, Appli
15	37.6	11.0	1035	PCT-US96-08819-8	Sequence 8, Appli
16	37.6	11.0	1608	US-09-252-991A-11839	Sequence 11839, A
17	37.6	11.0	2640	US-09-252-991A-11547	Sequence 11547, A
18	37.6	11.0	2934	US-09-252-991A-11690	Sequence 11690, A
19	37.2	10.9	2338	US-08-425-069-1	Sequence 1, Appli
20	37.2	10.9	2338	US-08-317-848-1	Sequence 1, Appli
21	36.4	10.6	4403765	US-09-103-840A-2	Sequence 2, Appli
22	36.4	10.6	4411529	US-09-103-840A-1	Sequence 1, Appli
23	36	10.5	426	US-09-252-991A-3156	Sequence 3156, Ap
24	36	10.5	657	US-08-998-416-1132	Sequence 1132, Ap
25	36	10.5	1126	US-08-949-155-5	Sequence 5, Appli
26	36	10.5	1126	US-09-819-964-5	Sequence 5, Appli
27	35.8	10.5	1116	US-09-252-991A-9195	Sequence 9195, Ap

C	28	35.8	10.5	1314	4	US-09-252-991A-8761	Sequence 8761, Ap
	29	35.8	10.5	2454	4	US-09-252-991A-9027	Sequence 9027, Ap
	30	35.8	10.5	4262	4	US-09-521-511C-10	Sequence 10, Appl
	C 31	35.4	10.4	609	4	US-09-252-991A-8982	Sequence 8982, Ap
	C 32	35.4	10.4	720	4	US-09-252-991A-8875	Sequence 8875, Ap
	C 33	35.4	10.4	1248	4	US-09-252-991A-9193	Sequence 9193, Ap
	C 34	35.4	10.4	2583	4	US-09-252-991A-9110	Sequence 9110, Ap
	C 35	35.2	10.3	1665	3	US-08-881-784-8	Sequence 8, Appl
	C 36	35.2	10.3	1665	3	US-09-292-768-3	Sequence 3, Appl
	C 37	35.2	10.3	1665	3	US-09-292-768-67	Sequence 67, Appl
	C 38	35.2	10.3	1665	3	US-09-292-768-69	Sequence 69, Appl
	C 39	35	10.2	505	4	US-09-621-976-15639	Sequence 15639, A
	C 40	35	10.2	909	4	US-09-252-991A-2958	Sequence 2958, Ap
	C 41	35	10.2	1218	4	US-09-252-991A-3146	Sequence 3146, Ap
	C 42	35	10.2	1380	4	US-09-252-991A-2822	Sequence 2822, Ap
	C 43	35	10.2	1500	4	US-09-252-991A-3050	Sequence 3050, Ap
	C 44	35	10.2	3454	4	US-09-963-137-151	Sequence 151, App
	C 45	35	10.2	3454	4	US-09-963-137-178	Sequence 178, App

ALIGNMENTS

RESULT 1
US-09-252-991A-10997
; Sequence 10997, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10997
; LENGTH: 915
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10997

Query Match	11.9%	Score	40.6	DB	4	Length	915
Best Local Similarity	49.3%	Pred. No.	0.052				
Matches	106	Conservative	0	Mismatches	109	Indels	0
Gaps	0						
QY	124	CAGTTCTCGCCTGTTCTATGATGATGCTGTCACAGCCAGCGGCGGATGCAAT	183				
Db	136	CTGGTCTTGGCCCTGTTCTCTCTGTCGCGCTTACGTGTTCTGAGCGGCGTGAAG	195				
QY	184	CAGGCTGTGGCAACCAACACCGCAGACGGTCAACAGAGGCTGAGTCCGTTGACG	243				
Db	196	CAGGCTGTGGCAACCAACACCGCAGACGGTCAACAGAGGCTGAGTCCGTTGACG	255				
QY	244	CAGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	303				
Db	256	CTGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	315				
QY	304	GGTGGCGTTTGGTCAACAGCAGCGCTGGCGGCA	338				
Db	316	GGTGGCGTTTGGTCAACAGCAGCGCTGGCGGCA	350				

RESULT 2
US-09-252-991A-11254/c
; Sequence 11254, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 11254

; LENGTH: 2178

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; US-09-252-991A-11254

Query Match 11.9%; Score 40.6; DB 4; Length 2178;

Best Local Similarity 49.3%; Pred. No. 0.07;

Matches 106; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

QY 124 CAGTTCTCGCATGTTTCATGATGCTGCAACAGAGCCAGGCGATGCAAAAT 183

DB 2043 CTGGTCTTCGCTGTTCTCTCTGTCGCTCTACGTGTTCTGAGCGGCTGAAG 1984

QY 184 CAGGAGTGTGGCAACGCAACACCGCAGAACCGTCAACAGAGGCTGAGTCCGTTGAGC 243

DB 1983 CAGGGTTTCGGCACCTTCTTCGAGGCGATCTCGAACCCGACGCGTGGCCGCGTGAAG 1924

QY 244 CAGATGCTATGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGCT 303

DB 1923 CTGACCTGATCGCGTGGCCATCTCGGTGCGGCTCAACCTGTTGCTGCTGCGCCG 1864

QY 304 GGTGGCGGTTCGCTCAACAGCAGCTTGGCGGCGCAA 338

DB 1863 GCTGTGTGGTGGAGCAAGTTGCGGCGCAA 1829

RESULT 3

US-09-252-991A-11160

; Sequence 11160, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 11160

; LENGTH: 522

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; US-09-252-991A-11160

Query Match 11.6%; Score 39.8; DB 4; Length 522;

Best Local Similarity 46.5%; Pred. No. 0.071;

Matches 128; Conservative 0; Mismatches 147; Indels 0; Gaps 0;

QY 12 CGGAACAACTTTTGAATATCGGCAACTGCGACAGATGGGCTTGGGCTTCAACACA 71

DB 219 CGGTAACGGTGCACGGTATCGACACCCGCGAGCTTTCGGCCGCGGACCTTGGCCCGGT 278

QY 72 CGAGGACTCCAGCAGCAGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 131

DB 279 CAGCGACAACCGCGGATCGTCAATATCGAGGCGGACAGAGGTTGGTGGCATCTCTGT 338

QY 132 CGGCATGTTTCATGATGATGCTGCAACAGAGCCAGGCGAGGATGCAATCAGGAGTG 191

DB 339 CGACAGCGTGGCGAGGTGTCTACCTGAAGCAGTCCGAAATCGAGACCGCGCGCAAGCT 398

QY 192 TGGCAACGAACAACCGCAGACCGTCAACAGAGGCTGAGTCCGTTGACCGCAGATGCT 251

DB 399 CGGCAACGAAGAGTGGCCAAAGTTTCACCGGGTGTTCGCAACGAAGACGGCGAGTCT 458

QY 252 GATGCAAGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 286

DB 459 GATCTGTGTCGAGCTGGCAAGATGATGATGATGATGATGATGATGATGATGATGAT 493

RESULT 4

US-09-252-991A-11093/C

; Sequence 11093, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 11093

; LENGTH: 1557

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

; US-09-252-991A-11093

Query Match 11.6%; Score 39.8; DB 4; Length 1557;

Best Local Similarity 46.5%; Pred. No. 0.1;

Matches 128; Conservative 0; Mismatches 147; Indels 0; Gaps 0;

QY 12 CGGAACAACTTTTGAATATCGGCAACTGCGACAGTGGGCTTGGGCTTGGGCTTGGGCTT 71

DB 310 CGGTAACGGTGTGTCAGCGTATCGACACCCGCGAGCTTTCGGCCCTGGACCTTGGCCCGGT 251

QY 72 CGAGGACTCCAGCAGCAGTTCGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 131

DB 250 CAGCGACAACCGCGGATCGTCAATATCAGGCGGACAGCAGGTTGGTGGCATCTCTGT 191

QY 132 CGCATGTTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 191

DB 190 CGACAGCGTCCCGAGGTGTCTACCTGAGCAGTCCGAAATCGAGACCGCGCGAAGCT 131

QY 192 TGGCAACGAACAACCGCAGACCGTCAACAGAGGCTGAGTCCGTTGACCGCAGATGCT 251

DB 130 CGGCAACGAAGTCCGCAAGTTTCATCCAGGTTGTCTGCAACGAAGACCGCGAGTCT 71

QY 252 GATGCAAGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 286

DB 70 GATCTGTGTCGAGCTGGCAAGATGATGATGATGATGATGATGATGATGATGATGAT 36

RESULT 5

US-09-252-991A-9940

; Sequence 9940, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 9940
LENGTH: 933
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9940

Query Match 11.3%; Score 38.6; DB 4; Length 933;
Best Local Similarity 45.5%; Pred. No. 0.19;
Matches 137; Conservative 0; Mismatches 164; Indels 0; Gaps 0;

QY 32 TCAGCAACTGACAGATGGGCTTCAGGCTTCAGCAACAGAGACTTCAGCCAGCACT 91
DB 236 TCAGCAACTGCAAGCATTCGACGAGGCGCTGCACGACGCGCGCAACATCA 295
QY 92 CGCTTCGGCTGCTCCGACGAGCTGATCAGTTCCTGCCATGTTTCATCATGATGA 151
DB 296 AGCGTTCGACAGTACGAGTATCGGTTTCACTGCTTCAGAGCGGCTGGAAGC 355
QY 152 TGTCTCAACAGAGCCAGGACGATGCAATTCAGAGTGTGGCAACGAACACCGCAGA 211
DB 356 GCTTCTACCTGAATGTGACGAGGCGCATCCCTCCGCGGACAACTCTGCGCGCAGA 415
QY 212 AGGTCACAGAGAGCGCTGAGTCGCTTACCGCATGCTGATGCTGATGATGATGATG 271
DB 416 CCACCGCTGCTGCTGCGAGATTCCTCGTCAAGCGCGGAGTTCGCGGACTGCGC 475
QY 272 TGATGCAAGAACGAGCGCGCGCGCATGGGCGGTGGCGGTTTCGCTCAACAGCAGCTTG 331
DB 476 CGGCTCGAAGTGTGTGCGACACCGCATCCCTACGCGGCTGCTGCGCTTCACCTGG 535
QY 332 G 332
DB 536 G 536

RESULT 6
US-09-252-991A-10137/c
; Sequence 10137, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10137
; LENGTH: 1023
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10137

Query Match 11.3%; Score 38.6; DB 4; Length 1023;
Best Local Similarity 45.5%; Pred. No. 0.19;
Matches 137; Conservative 0; Mismatches 164; Indels 0; Gaps 0;

QY 32 TCAGCAACTGACAGATGGGCTTCAGGCTTCAGCAACAGAGACTTCAGCCAGCACT 91
DB 752 TCAGCAACTGCAAGCATTCGACGAGGCGCTGCACCTGCAAGAGCGCGCAACATCA 693
QY 92 CGCTTCGGCTGCTCCGACGAGCTGATCAGTTCCTGCCATGTTTCATCATGATGA 151
DB 692 AGCGTTCGAAACAGTACGAGCATTCGTTTCAACTCGTTTTCAGAGCGGCTGGAAGC 633
QY 152 TGTCTCAACAGAGCAGGCGAGTGTGCAATTCAGAGTGTGCAACGAACACCGCAGA 211
DB 632 GCTTCTACTGAATGTGACGAGGCGCATCCCTCCGCGGAGCAACTCTGCGCGCAGA 573

SEQ ID NO 9940
LENGTH: 933
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9940

Query Match 11.3%; Score 38.6; DB 4; Length 933;
Best Local Similarity 45.5%; Pred. No. 0.19;
Matches 137; Conservative 0; Mismatches 164; Indels 0; Gaps 0;

QY 32 TCAGCAACTGACAGATGGGCTTCAGGCTTCAGCAACAGAGACTTCAGCCAGCACT 91
DB 236 TCAGCAACTGCAAGCATTCGACGAGGCGCTGCACGACGCGCGCAACATCA 295
QY 92 CGCTTCGGCTGCTCCGACGAGCTGATCAGTTCCTGCCATGTTTCATCATGATGA 151
DB 296 AGCGTTCGACAGTACGAGTATCGGTTTCACTGCTTCAGAGCGGCTGGAAGC 355
QY 152 TGTCTCAACAGAGCCAGGACGATGCAATTCAGAGTGTGGCAACGAACACCGCAGA 211
DB 356 GCTTCTACCTGAATGTGACGAGGCGCATCCCTCCGCGGACAACTCTGCGCGCAGA 415
QY 212 AGGTCACAGAGAGCGCTGAGTCGCTTACCGCATGCTGATGCTGATGATGATGATG 271
DB 416 CCACCGCTGCTGCTGCGAGATTCCTCGTCAAGCGCGGAGTTCGCGGACTGCGC 475
QY 272 TGATGCAAGAACGAGCGCGCGCGCATGGGCGGTGGCGGTTTCGCTCAACAGCAGCTTG 331
DB 476 CGGCTCGAAGTGTGTGCGACACCGCATCCCTACGCGGCTGCTGCGCTTCACCTGG 535
QY 332 G 332
DB 536 G 536

RESULT 6
US-09-252-991A-10137/c
; Sequence 10137, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10137
; LENGTH: 1023
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10137

Query Match 11.3%; Score 38.6; DB 4; Length 1023;
Best Local Similarity 45.5%; Pred. No. 0.19;
Matches 137; Conservative 0; Mismatches 164; Indels 0; Gaps 0;

QY 32 TCAGCAACTGACAGATGGGCTTCAGGCTTCAGCAACAGAGACTTCAGCCAGCACT 91
DB 752 TCAGCAACTGCAAGCATTCGACGAGGCGCTGCACCTGCAAGAGCGCGCAACATCA 693
QY 92 CGCTTCGGCTGCTCCGACGAGCTGATCAGTTCCTGCCATGTTTCATCATGATGA 151
DB 692 AGCGTTCGAAACAGTACGAGCATTCGTTTCAACTCGTTTTCAGAGCGGCTGGAAGC 633
QY 152 TGTCTCAACAGAGCAGGCGAGTGTGCAATTCAGAGTGTGCAACGAACACCGCAGA 211
DB 632 GCTTCTACTGAATGTGACGAGGCGCATCCCTCCGCGGAGCAACTCTGCGCGCAGA 573

QY 212 ACGGTCAACAGAGAGGCTGAGTCCGTGAGCGCAGATGCTGATCAGATCAGATCAGTGTG 271
DB 572 CCACCGCTGTTTGGCGCAGATTCCTCGTCAAGCGCGGATGTTCCCGCAACTGCGCGC 513
QY 272 TGATGCAAGACAGGCGCGCGCATGGGCGGTGGCGGTTTCGTTCAACAGCAGCCTGG 331
DB 512 CGGCTCGAAGCTGTGCGACACCGCATCCCTACGCGGCTGCTGCGGCTTCACCTGG 453
QY 332 G 332
DB 452 G 452

RESULT 7
US-09-252-991A-11436
; Sequence 11436, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11436
; LENGTH: 333
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11436

Query Match 11.2%; Score 38.2; DB 4; Length 333;
Best Local Similarity 51.5%; Pred. No. 0.17;
Matches 88; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 4 GACTCTATCGGAACAACTTTTCGAATATCGGCAACCTGCGACAGATGCGGCT 63
DB 97 GAGTGGCTGGAGCAGAGCCCTTCTGATCATCTCTGCTGTTACTCTGCGCGGCTGG 156
QY 64 CAGCAACACAGAGAGTCCAGGCGAGTCCGCTGCTGCGCTGCTGCGAGCAGCAGTGGAT 123
DB 157 CTGGTACAGAGTCTTCGACCAAGCGGCGATCTCCGGGTTGAACACCTAT 216
QY 124 CAGTTGCTCGGCATCTTCATCATGATGATGCTGCAAGAGCAGCGGCGAGC 174
DB 217 AACCTGCTGTTCTGATGCTGCGCGCGTTCGCTGCACTGCGCGCGCGCGAGC 267

RESULT 8
US-08-891-254-8
; Sequence 8, Application US/08891254
; Patent No. 5776889
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: Hypersensitive Response
; TITLE OF INVENTION: Induced Resistance in Plants
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESS: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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RESULT 9
US-08-819-539-8
; Sequence 8, Application US/08819539
; Patent No. 5859324
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: Hypersensitive Response
; TITLE OF INVENTION: Induced Resistance In Plants
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/819,539
; FILING DATE: 17-MAR-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/475,775
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30-727

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US-09-030-270A-8

Query Match 11.0%; Score 37.6; DB 2; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 211 AACGGTCAACAGGAGGCGGCTGAGTCCCTGACGCGAGATGCTGATGCGATGCGATGCGAG 270
DB 712 AGCGAAGACAGGCGGCGCTCACCGGCTGCTGCAAAAGCTGATGAAGATCTGAAAGCG 771

QY 271 CTGATGCAAGACAGGCGGCGGCGGATGCGGCGGCTGCGGCTGCGTCAACAGCAGCCTG 330
DB 772 CTGGTGCAGATGATGACAGAGGCGGCGCTCGCGGCGGCAACAGCGCGGCGGCTCG 831

QY 331 GCGGCGCAACGCC 342
DB 832 AAGGGTCCCGC 843

RESULT 11

US-08-984-207-8
; Sequence 8, Application US/08984207
; Patent No. 6235974
; GENERAL INFORMATION:
; APPLICANT: Qiu, Dewen
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED
; TITLE OF INVENTION: RESISTANCE IN PLANTS BY SEED TREATMENT
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/984,207
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/033,230
FILING DATE: 05-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1201
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1035 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

Query Match 11.0%; Score 37.6; DB 3; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 211 AACGGTCAACAGGAGGCGGCTGAGTCCCTGACGCGAGATGCTGATGCGATGCGATGCGAG 270
DB 712 AGCGAAGACAGGCGGCGGCTCACCGGCTGCTGCAAAAGCTGATGAAGATCTGAAAGCG 771

QY 271 CTGATGCAAGACAGGCGGCGGCGGATGCGGCGGCTTGGTCAACAGCAGCCTG 330
DB 772 CTGGTGCAGATGATGACAGAGGCGGCGCTCGCGGCGGCAACAGCGCGGCGGCTCG 831
QY 331 GCGGCGCAACGCC 342
DB 832 AAGGGTCCCGC 843

RESULT 12

US-09-013-587-8
; Sequence 8, Application US/09013587
; Patent No. 6277814
; GENERAL INFORMATION:
; APPLICANT: Qiu, Dewen
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: ENHANCEMENT OF GROWTH IN PLANTS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/013,587
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/036,048
FILING DATE: 27-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1501
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1035 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

Query Match 11.0%; Score 37.6; DB 3; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 211 AACGGTCAACAGGAGGCGGCTGAGTCCCTGACGCGAGATGCTGATGCGATGCGATGCGAG 270
DB 712 AGCGAAGACAGGCGGCGGCTCACCGGCTGCTGCAAAAGCTGATGAAGATCTGAAAGCG 771

QY 271 CTGATGCAAGACAGGCGGCGGCGGATGCGGCGGCTTGGTCAACAGCAGCCTG 330
DB 772 CTGGTGCAGATGATGACAGAGGCGGCGCTCGCGGCGGCAACAGCGCGGCGGCTCG 831

QY 331 GCGGCGCAACGCC 342
DB 832 AAGGGTCCCGC 843

RESULT 13

US-09-086-118-28

Sequence 28, Application US/09086118
Patent No. 6583107
GENERAL INFORMATION:
APPLICANT: Laby, Ronald J.
APPLICANT: Beer, Steven V.
APPLICANT: Wei, Zhong-Min
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR
TITLE OF INVENTION: FRAGMENTS ELICITING A HYPERSENSITIVE RESPONSE AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/086,118
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/048,109
FILING DATE: 30-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION/DOCKET NUMBER: 19603/1301
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 1035 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-086-118-28
Query Match 11.0%; Score 37.6; DB 4; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;
QY 211 AACGGTCAACAGGAGGCGCTGAGTCGCTTACGACGATGCTGATGACGATCGTGATGCAG 270
Db 712 AGCGAGACCGGCGGCGCTTACGCGGCTGCTGCAAAAGCTGATGAGATCCTGAACGG 771
QY 271 CTGATGACAGACCGGCGGCGGCGGATGCGGCGGCTGCGGTCGATGACAGAGCGCTG 330
Db 772 CTGTCGATGATGACGACGAGGCGGCTGCGGCGGCGGACCAACGAGGCGGCGGCTCG 831
QY 331 GCGGCGCAAGCC 342
Db 832 AAGGGTCCCGC 843
RESULT 14
US-09-431-614-16
Sequence 16, Application US/09431614
Patent No. 6624139
GENERAL INFORMATION:
APPLICANT: Wei, Zhong-Min
APPLICANT: Schading, Richard L.
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
TITLE OF INVENTION: RESISTANCE
FILE REFERENCE: 21829/41 (EBC-003)
CURRENT APPLICATION NUMBER: US/09/431,614
Query Match 11.0%; Score 37.6; DB 5; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;
QY 211 AACGGTCAACAGGAGGCGCTGAGTCGCTTACGACGATGCTGATGACGATCGTGATGCAG 270
Db 712 AGCGAGACCGGCGGCGGCTTACGCGGCTGCTGCAAAAGCTGATGAGATCCTGAACGG 771
QY 271 CTGATGACAGACCGGCGGCGGCGGATGCGGCGGCTGCGGTCGATGACAGAGCGCTG 330
Db 772 CTGTCGATGATGACGACGAGGCGGCTGCGGCGGCGGACCAACGAGGCGGCGGCTCG 831
QY 331 GCGGCGCAAGCC 342
Db 832 AAGGGTCCCGC 843
RESULT 15
PCT-US96-08819-8
Sequence 8, Application PC/TUS9608819
GENERAL INFORMATION:
APPLICANT: Cornell Research Foundation, Inc.
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED
TITLE OF INVENTION: RESISTANCE IN PLANTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08819
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,775
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION/DOCKET NUMBER: 19603/10051
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1035 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US96-08819-8
Query Match 11.0%; Score 37.6; DB 5; Length 1035;
Best Local Similarity 55.3%; Pred. No. 0.36;
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;
QY 211 AACGGTCAACAGGAGGCGCTGAGTCGCTTACGACGATGCTGATGACGATCGTGATGCAG 270
Db 712 AGCGAGACCGGCGGCGGCTTACGCGGCTGCTGCAAAAGCTGATGAGATCCTGAACGG 771
QY 271 CTGATGACAGACCGGCGGCGGCGGATGCGGCGGCTGCGGTCGATGACAGAGCGCTG 330
Db 772 CTGTCGATGATGACGACGAGGCGGCTGCGGCGGCGGACCAACGAGGCGGCGGCTCG 831
QY 331 GCGGCGCAAGCC 342
Db 832 AAGGGTCCCGC 843

Thu Jun 24 08:51:04 2004

Matches	73;	Conservative	0;	Mismatches	59;	Indels	0;	Gaps	0;
QY	211	AACGGTCAACAGGAGCGCTGAGTCCGTTGACGAGATGCTGATGCGATGCGATGCGAG	270						
Db	712	AGCGAAGACCAGGCGCGCTTCACCGCGTGTCTGCAAAAGCTGATGAAGATCCTGAACGGG	771						
QY	271	CTGATGCGAACCAGGCGCGCGCATGGCGGTGGCGTTTCGTTCAACAGCAGCCTG	330						
Db	772	CTGTTGAGATGATGTCAGCAAGCGCGCTCGCGCGCGGCAACCAAGGCGCAGGCGCGCTCG	831						
QY	331	GGCGGCAACGCC	342						
Db	832	AGGGTGCCGGC	843						

Search completed: June 23, 2004, 11:52:06
Job time : 68 secs